L/F Kangaroo Island

AUSTRALIAN POST OFFICE
ENGINEERING INSTRUCTION

AUTOMOTIVE PLANT
Mechanical Aids
CF 1203

PENGO POLE HOLE BORER, TRUCK MOUNTED

1. TYPE OF MACHINE.

Borer, pole hole, heavy duty, truck mounted with separate engine.

2. GROUP CLASSIFICATION.

Classification F.B.B.

FIG. 1. PENGO POLE HOLE BORER.

3. MAKE AND MODEL.

Pengo pole hole borer, mounted on 4-5 ton 4-wheel drive motor truck, with pole erector.

E.T.S. 4/0245

4. BORER SPECIFICATIONS.

Mounting location	- Rear of truck.
Depth of bore in one operation	- 8'9".
Additional depth	- Nil.
Auger sizes - earth	- 12", 16" and 20" diameter.
- rock, blasting	- 1-9/16" diameter x 3 ft. long.
- anchor	- 8" diameter x 3 ft.
Tilting - fore and aft	- 67½° fore to 15° aft. hydraulic.
- sideways	- 45° each side hydraulic.
Drive to borer head	- Mechanical, through fluid coupling.
Auger, raise and lower	- Hydraulic.

5. POLE ERECTOR SPECIFICATIONS.

Mounting location	- Rear of truck utilising auger support frame.
Lifting power	- Hydraulic.
Lifting capacity	- 15 cwt.
Maximum length of pole approx.	- 35 ft.
Width of boom at upper end	- Less than 9".

6. MOVEMENT BETWEEN JOBS.

Travel as a standard 5-ton 4-wheel drive motor truck.

7. DIMENSIONS.

Overall height travelling approx.	- 10 ft.
Overall length travelling approx.	- 25-30 ft.
Overall width	- 7'6".

8. ENGINE.

Borer - water cooled petrol.
Truck - water cooled petrol.

9. ACCESSORIES.

Hydraulically driven winch, 120 ft. ½ diameter steel wire rope, breaking strain 9 tons.
Independent hydraulic stabilising jacks.
Facilities for carrying augers and other equipment on tray of truck.
Drawbar.

END.